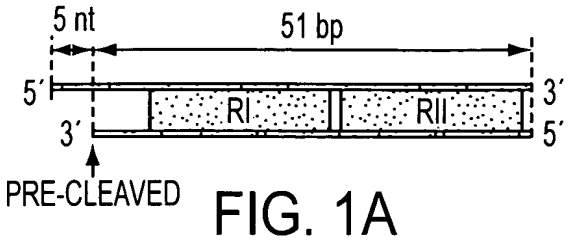

FIG. 1A

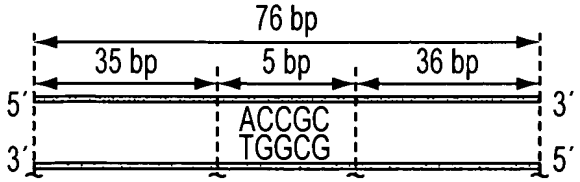

FIG. 1A-a

FIG. 1A-b

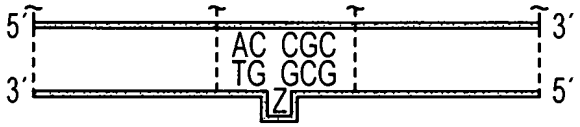

FIG. 1A-c

FIG. 1B

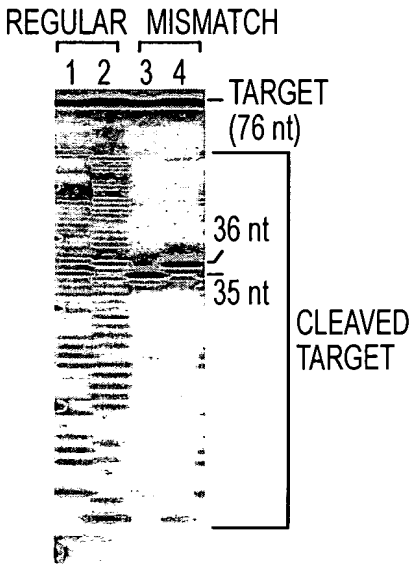

FIG. 1C

BEST AVAILABLE COPY

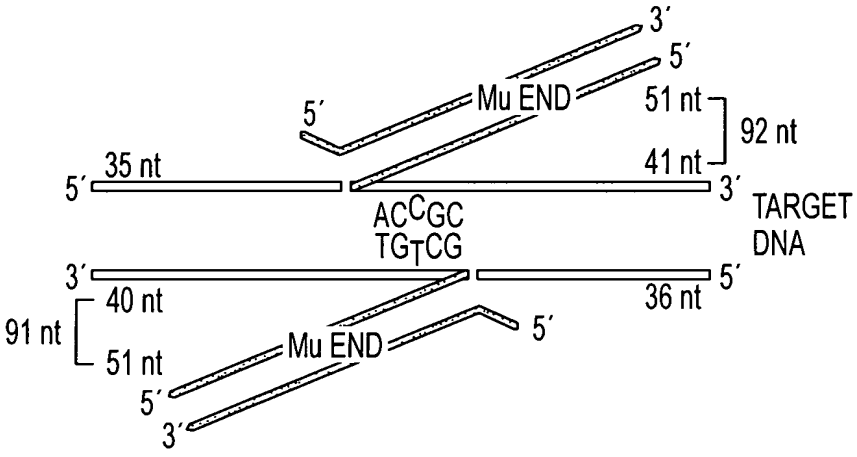
3′
5′
Mu END
51 nt
92 nt
5′
35 nt
41 nt
5′
3′
TARGET
DNA
ACCGC
TGTCG
3′
5′
40 nt
36 nt
91 nt
Mu END
5′
51 nt
5′
3′

FIG. 1D

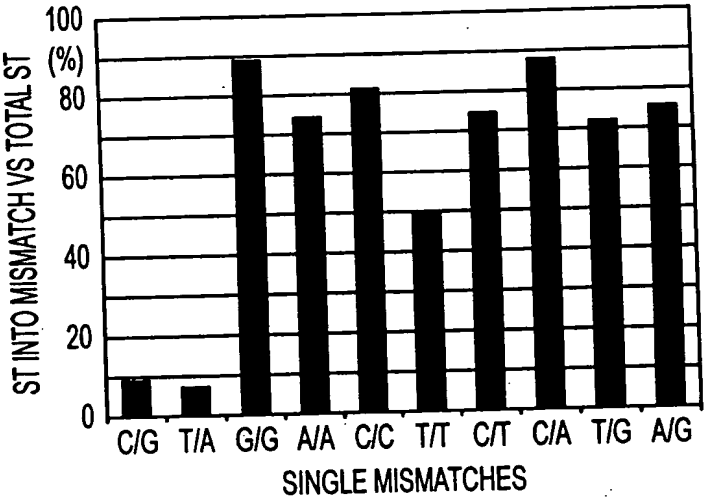
ST INTO MISMATCH VS TOTAL ST
100
(%)
80
60
40
20
0
C/G
T/A
G/G
A/A
C/C
T/T
C/T
C/A
T/G
A/G
SINGLE MISMATCHES

FIG. 2A

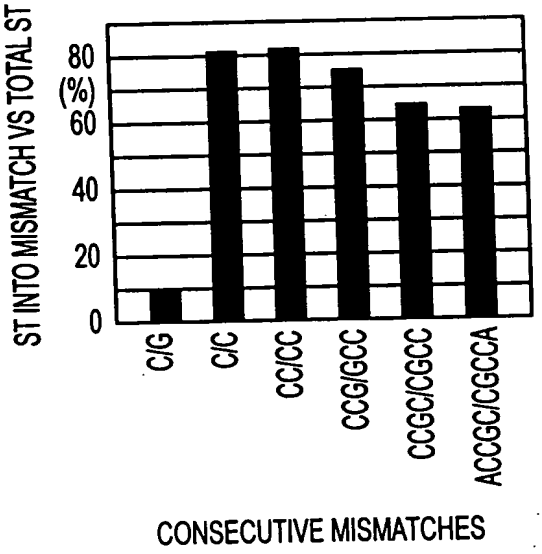
ST INTO MISMATCH VS TOTAL ST
80
(%)
60
40
20
0
C/G
C/C
CC/CC
CCG/GCC
CCGC/CGCC
ACCGC/CGCCA
CONSECUTIVE MISMATCHES

FIG. 2B

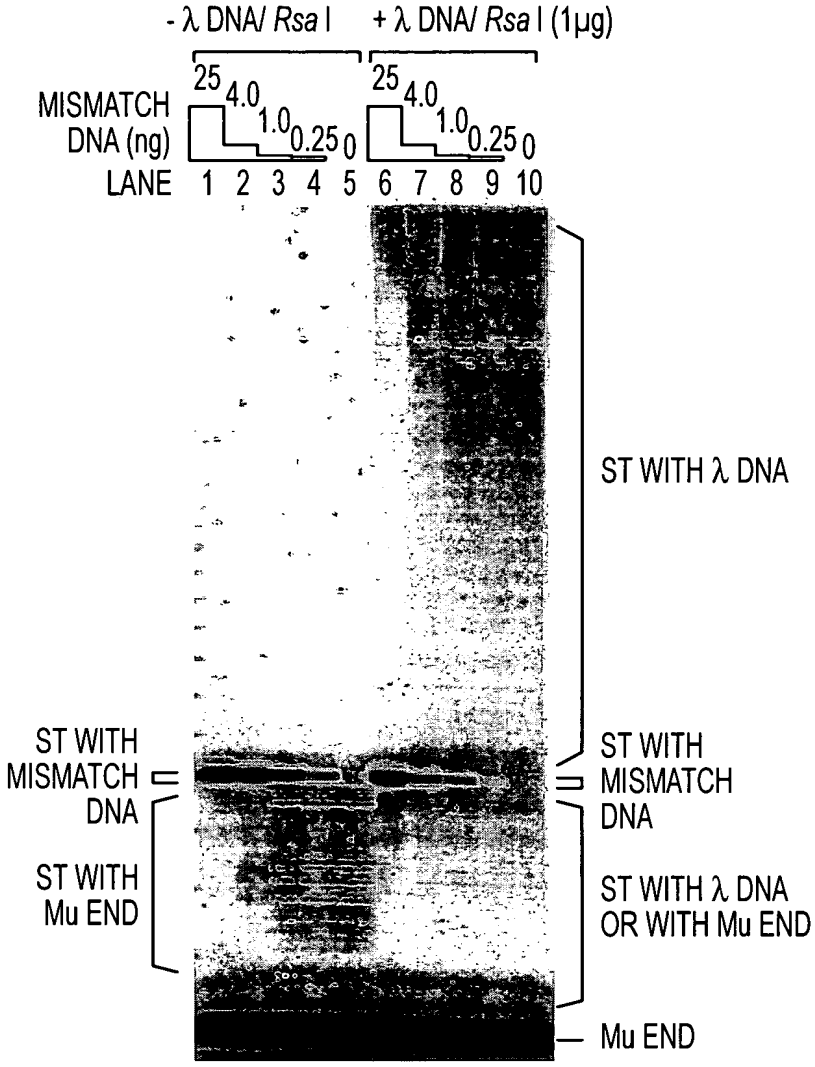

FIG. 3

BEST AVAILABLE COPY

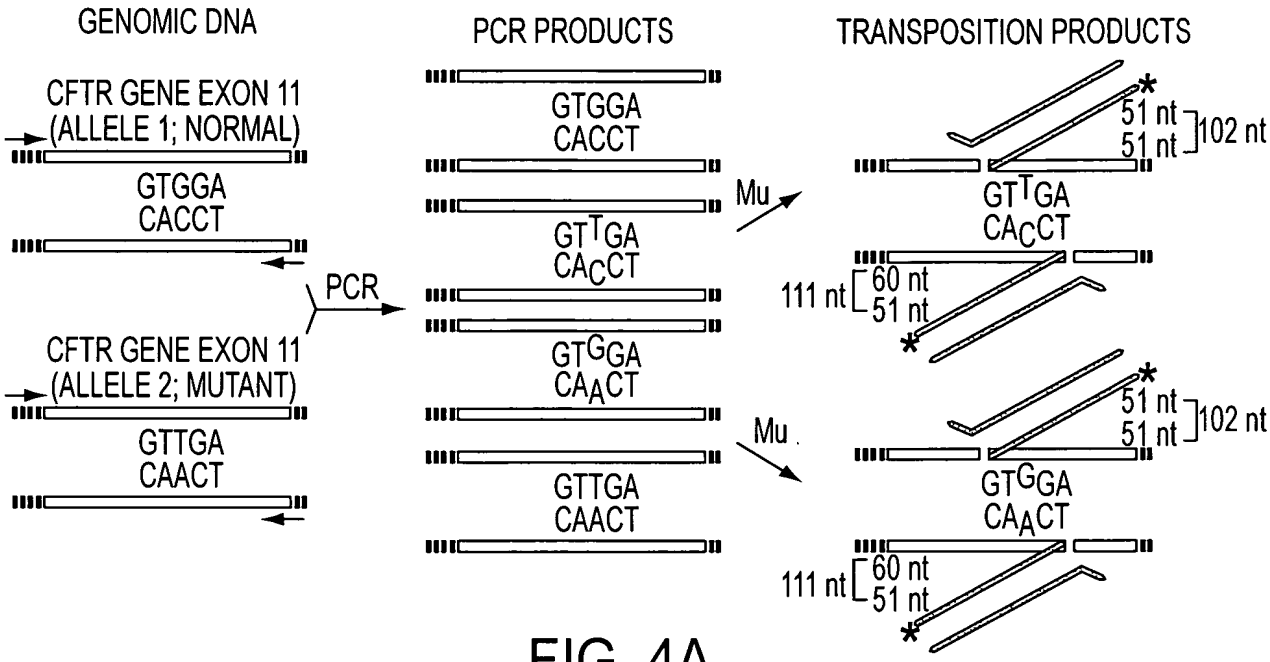
GENOMIC DNA
PCR PRODUCTS
TRANSPOSITION PRODUCTS
CFTR GENE EXON 11
(ALLELE 1; NORMAL)
GTGGA
CACCT
PCR
CFTR GENE EXON 11
(ALLELE 2; MUTANT)
GTTGA
CAACT
GTGGA
CACCT
GTTGA
CACCT
GTGGA
CAACT
GTTGA
CAACT
Mu
Mu
51 nt
51 nt
102 nt
111 nt
60 nt
51 nt
51 nt
51 nt
102 nt
111 nt
60 nt
51 nt

FIG. 4A

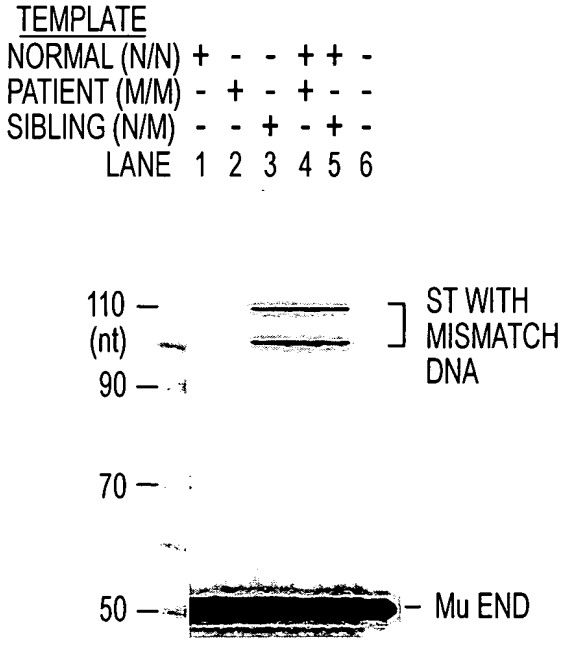
TEMPLATE
NORMAL (N/N) + - - + + -
PATIENT (M/M) - + - + - -
SIBLING (N/M) - - + - + -
LANE 1 2 3 4 5 6
110 —
(nt)
90 —
70 —
50 —
ST WITH
MISMATCH
DNA
Mu END

FIG. 4B

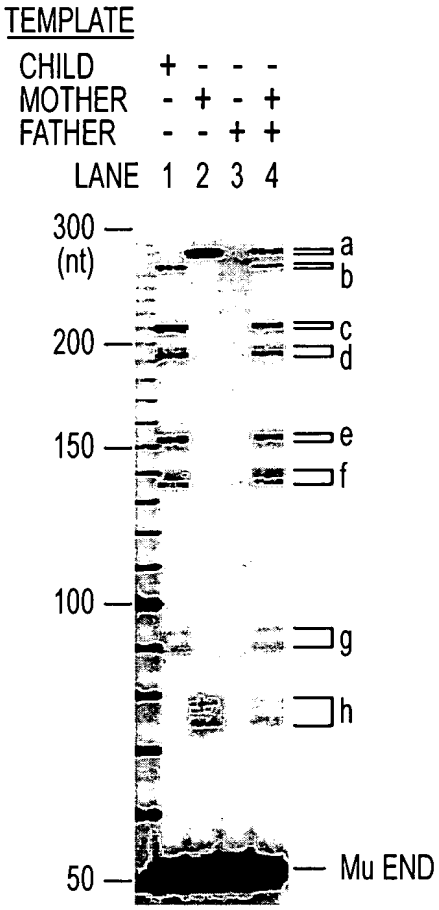

FIG. 5

BEST AVAILABLE COPY